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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Publication Number

09/755,512

Filing Date

January 5, 2001

First Named Inventor

Raymond Kloth

Group Art Unit

2663

Examiner Name

Not yet assigned

Attorney Docket Number

112025-0074C1

Sheet

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Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
IN		6,219,699	B1	McCloghrie, et al.	04/17/2001	
IN		6,208,649	B1	Kloth	03/27/2001	
IN		6,035,105	B1	McCloghrie, et al.	03/07/2000	
IN		5,991,302	B1	Berl, et al.	11/23/1999	
IN		5,917,820	B1	Rekhter	06/29/1999	
IN		5,872,783	B1	Chin	02/16/1999	
IN		5,796,740	B1	Perlman et al.	08/18/1998	
IN		5,796,732	B1	Mazzola et al.	08/18/1998	
IN		5,764,636	B1	Edsall	06/09/1998	
IN		5,752,003	B1	Hart	05/12/1998	
IN		5,742,604	B1	Edsall et al.	04/21/1998	
IN		5,740,171	B1	Mazzola et al.	04/14/1998	
IN		5,684,800	B1	Dobbins et al.	11/04/1997	
IN		5,633,869	B1	Burnett et al.	05/27/1997	
IN		5,633,858	B1	Chang et al.	05/27/1997	
IN		5,617,421	B1	Chin et al.	04/01/1997	
IN		5,612,959	B1	Takase et al.	03/18/1997	
IN		5,511,168	B1	Perlman et al.	04/23/1996	
IN		5,500,860	B1	Perlman et al.	03/19/1996	
IN		5,473,607	B1	Hausman et al.	12/05/1995	

[illegible]

Team D. Nguyen

Date Considered

12/28/05

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 5

Complete if Known

Application Number	09/755,512
Filing Date	January 5, 2001
First Named Inventor	Raymond Kloth
Group Art Unit	2663
Examiner Name	Not yet assigned
Attorney Docket Number	112025-0074C1

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
TN		5,430,715	B1	Corbalis et al.	07/04/1995	
TN		5,414,704	B1	Spinney	05/09/1995	
TN		5,394,402	B1	Ross	02/28/1995	
TN		5,394,394	B1	Crowther et al.	02/28/1995	
TN		5,361,256	B1	Doeringer et al.	11/01/1994	
TN		5,313,454	B1	Bustini et al.	05/17/1994	
TN		5,305,311	B1	Lyles	04/19/1994	
TN		5,304,992	B1	Harashima	04/19/1994	
TN		5,274,631	B1	Bhardwaj	12/28/1993	
TN		5,140,585	B1	Tomikawa	08/18/1992	
TN		5,088,032	B1	Bosack	02/11/1992	
TN		5,027,350	B1	Marshall	06/25/1991	
TN		5,018,137	B1	Backes et al.	05/21/1991	
TN		4,933,937	B1	Konishi	06/12/1990	
TN		4,864,559	B1	Perlman	09/05/1989	

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FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Date Considered

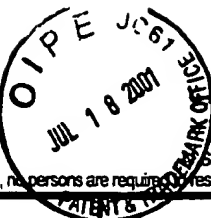
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Sheet 3 of 5

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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TN		"IEEE STANDARDS for Local and Metropolitan Area Networks: Virtual Bridged Local Area Networks", IEEE Std 802. 1Q-1998, Copyright 1999, IEEE, pp. 1-199.	—
TN		IEEE, "Draft Standard for Virtual Bridged Local Area Networks," pp. 1-10 and 70-72 (May 1997)	—
TN		Deering, S., and Cheriton, D., "Multicast Routing in Datagram Internetworks and Extended LANs," Vol. 8, ACM Transactions on Computer Systems, pp. 85-110 (May 1990)	—
TN		Deering, S. et al., "An Architecture for Wide-Area Multicasting," Proceedings of SIGCOMM '94 Conf., ACM, pp. 126-135 (October 1994).	—
TN		"Cisco VLAN Roadmap", http://www.cisco.com/warp/public/538/7.html , pp. 1-9, posted July 17, 1995.	—
TN		"Cisco Catalyst Workgroup Switch Version 3.0," http://www.cisco.com/warp/public/558/16.html , pp 1-5, posted August 29, 1994.	—
TN		"Virtual Networking Services," http://www.cisco.com/warp/public/614/5.html , pp 1-10, posted October 28, 1997.	—
TN		"Cisco LAN Switching Products," http://www.cisco.com/warp/public/534/16.html , pp 1-21, posted March 31, 1995.	—
TN		"Multicast Routing," http://www.cisco.com/warp/public/614/17.html , pp 1-3, posted August 3, 1995.	—
TN		"IP Multicast Streamlines Delivery of Multicast Applications," http://www.cisco.com/warp/public/674/4.html , pp 1-4, posted February 24, 1998.	—
TN		"Catalyst 1200 Release 4.0," http://www.cisco.com/warp/public/558/49.html , pp 1-7, posted May 18, 1995.	—

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Date
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Sheet 4 of 5

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Application Number	09/755,512
Filing Date	January 5, 2001
First Named Inventor	Raymond Kloth
Group Art Unit	2663
Examiner Name	Not yet assigned
Attorney Docket Number	112025-0074C1

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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TN		"Cisco IOS VLAN Services," http://www.cisco.com/warp/public/614/11.html , pp 1-3, posted January 21, 1998.	
TN		"Cisco IOS Technologies," http://www.cisco.com/warp/public/732/ciscoios.html , pp 1-2, 1997.	
TN		"The Virtual LAN Technology Report," http://www.3com.com/nsc/200374.html , pp. 1-19, 1998.	
TN		"ATM Internetworking," http://www.cisco.com/warp/public/614/12.html#LANE , pp. 1-2, posted June 1, 1995.	
TN		Lucent's and Prominet's Motion for Leave To Amend Their Amended Complaint, with Exhibits being filed in Lucent Technologies, Inc. and Prominet Corporation v. Cisco Systems, Inc. and Cisco Technology, Inc. Civil Action No. 98-349 (JJF).	
TN		"Cisco Introduces VLAN Solution," Communications Industry Researchers, Broadband Networks and Applications, April 15, 1995.	
TN		"Cisco Announces Token-Ring Switching Products," Communications Industry Researchers, Broadband Networks and Applications, April 15, 1995.	
TN		"Chipcom and Cisco To Collaborate On ATM Networking Solutions," Communications Industry Researchers, Broadband Networks and Applications, April 15, 1995.	
TN		"Cisco Announces New Fast Ethernet Interface," Communications Industry Researchers, Broadband Networks and Applications, April 15, 1995.	
TN		Lucent Technologies, Inc.'s Initial Disclosure of Prior Art under Civil Local Rule 16-7, dated November 18, 1998.	
TN		Cisco 7000 Series Gains Fast Ethernet Interface, Becomes Only Router Family to Support Three High-Speed Network Types, web, http://www.cisco.com/warp/public/146/199.html , pgs. 1-2.	

Examiner Signature

Toan D. Nguyen

Date Considered

12/28/05

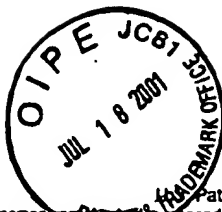
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/755,512
		Filing Date	January 5, 2001
		First Named Inventor	Raymond Kloth
		Group Art Unit	2663
		Examiner Name	Not yet assigned
		Attorney Docket Number	112025-0074C1
Sheet	5	of	5

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TN		ISL Function Specification, web, http://www.cisco.com/warp/public/741/4.html , pgs. 1-4.	
TN		Configuring VTP and Virtual LANs, Catalyst 5000 Series Software Configuration Guide, Chapter 13, pgs. 13-24.	
TN		Cisco-Catalyst 5000 Software Release 2.1 Feature Set, web, http://www.cisco.com/warp/public/729/c5000/426_pp.htm , pgs. 1-9.	
TN		IEEE Standard Project P802.1Q, Draft Standard for Virtual Bridged Local Area Networks, Copyright by the Institute of Electrical and Electronics Engineers, Inc., February 28, 1997, pgs. 1-88.	
TN		Draft Standard P.802.1Q/D10, IEEE Standards for Local and Metropolitan Area Networks: Virtual Bridged Local Area Networks, Copyright by the Institute of Electrical and Electronics Engineers, Inc., March 22, 1997, pgs. 1-212.	
TN		ISL Configurations for Cisco IOS and the Catalyst 5000, web, http://www.cisco.com/warp/public/741/8.html , pgs. 1-8.	
TN		Dynamic Inter-Switch Link Protocol, 2.2 Configuration Note, pgs. 2-6.	
TN		Virtual LANs, Catalyst 2620 Series and Catalyst 1900 Series Enterprise Edition Software Configuration Guide, Chapter 2, pgs. 2-1 - 2-49.	

Examiner Signature	Tran D. Nguyen	Date Considered	12/28/05
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